

### Abstract

A relative pressure measuring transmitter is provided, which is resistant  
5 to the intrusion of moisture. The transmitter includes a housing (7), an  
insert (17) arranged in the housing (7), a gap (23) existing between the  
housing (7) and the insert (17), a relative pressure sensor (5), and,  
connected to the relative pressure sensor (5), a reference pressure  
supply line (29), which leads into the insert 17, opens on an outer wall  
10 (31) of the insert (17), and has an interior, which is connected via an  
opening in insert (17) with the gap (23); wherein the housing (7) has a  
bore (43) passing through it, via which the gap 23 is placed in  
communication with an environment of the relative pressure measuring  
transmitter.

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(Fig. 1)